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10168- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	3.80	72,47	19.91	3.01	150.0	± 9.6 %
		Y	3.97	73.52	20.42		150.0	
		Z	3.59	72.78	20.23		150.0	
10169- CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	2.40	66.10	17.40	3.01	150.0	± 9.6 %
		Y	2.46	66.60	17.71		150.0	
		Z	2.33	66.05	17.51		150.0	
10170- CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	2.86	70.22	19.21	3.01	150.0	± 9.6 %
		Y	3.07	71.47	19.80		150.0	
		Z	2.76	70.55	19.53		150.0	
10171- AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.43	67.02	16.67	3.01	150.0	± 9.6 %
Craw Craw		Y	2.55	67.67	16.96		150.0	
		Z	2.33	67.12	16.84		150.0	
10172- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	3.22	76.35	23.22	6.02	65.0	± 9.6 %
No.	2011 Str. Opposit	Y	2.88	74.18	22.38		65.0	
		Z	2.74	74.43	22.80		65.0	
10173- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.36	80.46	22.94	6.02	65.0	± 9.6 %
		Y	4.63	81.45	23.36		65.0	
		Z	3.93	80.61	23.43		65.0	
10174- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.95	78.13	21.47	6.02	65.0	± 9.6 %
T CONTROL OF THE PARTY OF THE P	- somowest	Y	3.58	76.48	20.90		65.0	
		Z	3.41	77.60	21,68		65.0	
	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.38	65.87	17.19	3.01	150.0	± 9.6 %
	110000000000000000000000000000000000000	Y	2.43	66.33	17.47		150.0	
		Z	2.30	65.82	17.28		150.0	
10176- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	2.86	70.24	19.22	3.01	150.0	± 9.6 %
	V-500011104V	Y	3.08	71.50	19.81		150.0	
		Z	2.76	70.57	19.54		150.0	
10177- CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.39	65.97	17.26	3.01	150.0	± 9.6 %
TA CALON INC.		Y	2.45	66.44	17.54		150.0	
		Z	2.32	65.91	17.35		150.0	
10178- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	2.85	70.12	19.14	3.01	150.0	±9.6 %
***************************************		Y	3.06	71.36	19.72		150.0	
		Ż	2.75	70.47	19.48		150.0	
10179- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	2.62	68.53	17.82	3.01	150.0	± 9.6 %
		Y	2.78	69.42	18.23		150.0	
CONTRACT.		Z	2.52	68.74	18.07	118-72	150.0	
10180- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	2.43	66.99	16.64	3.01	150.0	±9.6 %
		Y	2.55	67.64	16.93		150.0	
Mark 1979 5		Z	2.33	67.10	16.82		150.0	
10181- CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.39	65.96	17.25	3.01	150.0	± 9.6 %
		Υ	2.44	66.43	17.54	0	150.0	
	A CONTRACTOR OF THE PROPERTY O	Z	2.31	65.90	17.34	- www.	150.0	
10182- CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	2.84	70.10	19.13	3.01	150.0	± 9.6 %
		Y	3.05	71.33	19.71		150.0	
Octobros -		Z	2.75	70.45	19.47	and the same of	150.0	-
10183- AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	2.43	66.97	16.63	3.01	150.0	± 9.6 %
AAC		W	2.55	07.00	10.00		150.0	
		Y	2.55	67.62	16.92		150.0	

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10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.39	65.99	17.27	3.01	150.0	± 9.6 %
		Y	2.45	66.47	17.56		150.0	
		Z	2.32	65.93	17.36		150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	2.85	70.16	19.17	3.01	150.0	± 9.6 %
		Y	3.07	71.40	19.75		150.0	
		Z	2.76	70.51	19.50		150.0	
10186-	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-	X	2.44	67.02	16.66	3.01	150.0	±9.6 %
AAD	QAM)	72000	2000	2011/16/25	100000000000000000000000000000000000000	3.01	100000000000000000000000000000000000000	I 5.0 %
		Y	2,56	67.67	16.95		150.0	
		Z	2.33	67.13	16.84		150.0	
10187- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.40	66.06	17.35	3.01	150.0	±9.6 %
		Y	2.46	66.54	17.64		150.0	
		Z	2.33	66.01	17.45		150.0	- 116
10188- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	2.92	70.63	19.48	3.01	150.0	± 9.6 %
Orto	10 strain)	Y	3.15	71.97	20.11		150.0	7
		Z	2.82	70.99	- Contract C		The second section is a second second	
10100	LTE EDD (CO EDMA 4 DD 4 4 M		i accomitant programme in the company of the compan		19.83	2.04	150.0	1000
10189- AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	×	2.48	67.32	16.90	3.01	150.0	± 9.6 %
		Y	2.60	68.01	17.21		150.0	
		Z	2.37	67.44	17.08		150.0	
10193- CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.36	66.79	16.12	0.00	150.0	± 9.6 %
		Y	4.24	66.43	15.86		150.0	
		Z	4.25	66.88	16.06		150.0	
10194- CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.50	67.02	16.25	0.00	150.0	± 9.6 %
ONO	10 spring	Y	4.38	66.66	16.00		150.0	
		Z	4.38	67.06	16.19		150.0	
10195-	IEEE 802.11n (HT Greenfield, 65 Mbps.	X	4.53	67.04		0.00		1000
CAC	64-QAM)	50%	10,000,00	C593/460_	16.27	0.00	150.0	±9.6 %
		Y	4.41	66.68	16.02		150.0	
		Z	4.40	67.05	16.19		150.0	
10196- CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.34	66.79	16.11	0.00	150.0	± 9.6 %
		Y	4.22	66.42	15.84		150.0	0
		Z	4.23	66.84	16.03		150.0	
10197- CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.51	67.03	16.26	0.00	150.0	± 9.6 %
ONO	GD 1111)	Y	4.38	66.66	16.01		150.0	
		Z	4.38					
10198-	IEEE 802.11n (HT Mixed, 65 Mbps, 64-	X	4.53	67.05 67.04	16.19 16.27	0.00	150.0 150.0	± 9.6 %
CAC	QAM)	V	4.40	00.07	10.00		450.0	
		Y	4.40	66.67	16.02		150.0	
10219-	IEEE 802.11n (HT Mixed, 7.2 Mbps,	X	4.39	67.04 66.83	16.19	0.00	150.0	± 9.6 %
CAC	BPSK)	- 120	771702	200 100	4.80		197.5	
		Y	4.17	66.45	15.81		150.0	
		Z	4.19	66.90	16.01		150.0	
10220- CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.50	66.99	16.24	0.00	150.0	± 9.6 %
-777		Y	4.38	66.63	16.00		150.0	
		Z	4.37	67.02	16.18		150.0	7
10221- CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	Х	4.54	66.98	16.26	0.00	150.0	± 9.6 %
		Y	4.42	66.63	16.01		150.0	
		Z	4.41	67.00	16.19		150.0	2
10222-	IEEE 802.11n (HT Mixed, 15 Mbps,	X	4.91	67.06		0.00		+069/
CAC	BPSK)	10000	I SCHOOL V	1112/111111	16.39	0.00	150.0	± 9.6 %
		Y	4.81	66.75	16.20		150.0	
		Z	4.81	67.01	16.35		150.0	

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CAC QAM) 10225- CAB UMTS-F 10226- CAA LTE-TD 10227- CAA LTE-TD 10228- CAA LTE-TD QAM) LTE-TD 10229- CAB LTE-TD CAB LTE-TD QAM) LTE-TD 10230- CAB LTE-TD CAB QAM) 10231- CAD LTE-TD CAD QAM) 10233- CAD LTE-TD CAD QAM) 10234- CAD LTE-TD CAD LTE-TD	EE 802.11n (HT Mixed, 90 Mbps, 16-	X	5.18	67.25	16.50	0.00	150.0	± 9.6 %
CAC QAM) 10225- CAB UMTS-F CAB 10226- CAA 16-QAM 10227- CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QAM) 10232- CAD QAM) 10233- CAD QAM) 10233- CAD QAM) 10234- CAD QAM) 10236- CAD LTE-TD CAD QAM) 10236- CAD LTE-TD CAD LTE-TD CAD QAM)		Y	5.07	66.94	16.31		150.0	
10225- CAB 10225- CAB 10226- CAA 16-QAM 10227- CAA 10227- CAA 10228- CAA 10228- CAA 10229- CAB 10229- CAB 10230- CAB 10231- CAB 10231- CAB 10231- CAD 10232- CAD 10233- CAD 10233- CAD 10234- CAD 10234- CAD 10235- CAD 10236- CAD 10236- CAD 10237- LTE-TDI CAD 10237- LTE-TDI CAD 10237		Z	5.03	67,10	16.40		150.0	
10226- CAA 16-QAM 10227- CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QAM) 10231- CAD QAM) 10232- CAD QAM) 10233- CAD QAM)	EE 802.11n (HT Mixed, 150 Mbps, 64-M)	X	4.95	67.17	16.38	0.00	150.0	± 9.6 %
10226- CAA 16-QAM 10227- CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QAM) 10231- CAD QAM) 10232- CAD QAM) 10233- CAD QAM)		Y	4.85	66.86	16.19		150.0	
10226- CAA 16-QAM 10227- CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QAM) 10231- CAD QAM) 10232- CAD QAM) 10233- CAD QAM)		Z	4.85	67.15	16.34		150.0	
10226- CAA 16-QAM 10227- CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QAM) 10231- CAD QAM) 10232- CAD QAM) 10233- CAD QAM)	MTS-FDD (HSPA+)	X	2.64	66.25	14.92	0.00	150.0	1000
CAA 16-QAM 10227- CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QPSK) 10232- CAD QAM) 10233- CAD QAM) 10233- CAD QAM) 10233- CAD QAM) 10233- CAD QAM) 10234- CAD QAM) 10235- CAD LTE-TD CAD QAM) 10236- CAD LTE-TD CAD LTE-TD CAD LTE-TD CAD QAM)	(HOPAT)	-				0.00		±9.6 %
CAA 16-QAM 10227- LTE-TD CAA G4-QAM 10228- LTE-TD CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QAM) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10236- LTE-TD CAD 16-QAM 10236- LTE-TD CAD G4-QAM		Y	2.47	65.44	14.20		150.0	
CAA 16-QAM 10227- LTE-TD CAA 64-QAM 10228- LTE-TD CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QAM) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD LTE-TD CAD QPSK) 10236- LTE-TD CAD 16-QAM 10237- LTE-TD CAD G4-QAM	TOD (00 FD) (1 1 00 1 1 1 1 1	Z	2.51	66.11	14.44		150.0	
CAA 64-QAM 10228- LTE-TD CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QAM) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 16-QAM	E-TDD (SC-FDMA, 1 RB, 1.4 MHz, -QAM)	X	4.57	81.37	23.38	6.02	65.0	± 9.6 %
CAA 64-QAM 10228- LTE-TD CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QAM) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 16-QAM		Y	4.90	82.52	23.85		65.0	
CAA 64-QAM 10228- CAA QPSK) 10229- CAB QAM) 10230- CAB QAM) 10231- CAB QAM) 10231- CAD QAM) 10232- CAD QAM) 10233- CAD QAM) 10233- CAD QAM) 10234- CAD QAM) 10235- CAD LTE-TD CAD QAM) 10236- CAD LTE-TD CAD LTE-TD CAD LTE-TD CAD QAM)		Z	4.15	81.66	23.92	-	65.0	
CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QAM) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 16-QAM	E-TDD (SC-FDMA, 1 RB, 1.4 MHz, -QAM)	X	4.60	80.57	22.40	6.02	65.0	± 9.6 %
CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QAM) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 16-QAM		Y	4.89	81.58	22.82		65.0	
CAA QPSK) 10229- LTE-TD CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QPSK) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10233- LTE-TD CAD QPSK) 10234- LTE-TD CAD L		Z	4.14	80.85	22.92		65.0	
10229- LTE-TDI CAB QAM) 10230- LTE-TDI CAB QAM) 10231- LTE-TDI CAB QPSK) 10232- LTE-TDI CAD QAM) 10233- LTE-TDI CAD QAM) 10234- LTE-TDI CAD QPSK) 10235- LTE-TDI CAD 16-QAM 10236- LTE-TDI CAD 64-QAM	E-TDD (SC-FDMA, 1 RB, 1.4 MHz,	X	3.35	77.29	23.65	6.02	65.0	± 9.6 %
CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QPSK) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QAM) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 16-QAM		Y	3.36	77.54	23.87		65.0	
CAB QAM) 10230- LTE-TD CAB QAM) 10231- LTE-TD CAB QPSK) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QAM) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 16-QAM	10.1 °	Z	2.92	75.79	23.43		65.0	
10230- CAB QAM) 10231- CAB QPSK) 10232- CAD QAM) 10233- CAD QAM) 10233- CAD QAM) 10234- CAD QPSK) 10235- CAD 16-QAM 10236- CAD 64-QAM	E-TDD (SC-FDMA, 1 RB, 3 MHz, 16-	X	4.39	80.55	22.98	6.02	65.0	± 9.6 %
CAB QAM) 10231- LTE-TD QPSK) 10232- LTE-TD QAM) 10233- LTE-TD QAM) 10234- LTE-TD QPSK) 10235- LTE-TD QAM 10236- LTE-TD GAD 16-QAM 10236- LTE-TD GAD 64-QAM	3004/	Y	4.67	81.55	23.40		65.0	
CAB QAM) 10231- LTE-TD QPSK) 10232- LTE-TD QAM) 10233- LTE-TD QAM) 10234- LTE-TD QPSK) 10235- LTE-TD QAM 10236- LTE-TD GAD 16-QAM 10236- LTE-TD GAD 64-QAM		Z	3.96	80.71	23.47		65.0	
10231- LTE-TD CAB QPSK) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM	E-TDD (SC-FDMA, 1 RB, 3 MHz, 64-	X	4.37	79.68	21.99	6.02	65.0	± 9.6 %
CAB QPSK) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QPSK) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM		Y	4.61	80.55	22.37		65.0	
CAB QPSK) 10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QPSK) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM		Z	3.91	79.81	22.46		65.0	
10232- LTE-TD CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM	E-TDD (SC-FDMA, 1 RB, 3 MHz,	X	3.26	76.70	23.33	6.02	65.0	± 9.6 %
CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM	514	Y	3.26	76.88	23.51		65.0	
CAD QAM) 10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM		Z	2.84	75.20	23.10		65.0	
10233- LTE-TD CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM	E-TDD (SC-FDMA, 1 RB, 5 MHz, 16-	X	4.39	80.53	22.98	6.02	65.0	± 9.6 %
CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM		Y	4.66	81.53	23.40		65.0	
CAD QAM) 10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM		Z	3.96	80.69	23.47		65.0	
10234- LTE-TD CAD QPSK) 10235- LTE-TD CAD 16-QAM 10236- LTE-TD CAD 64-QAM	E-TDD (SC-FDMA, 1 RB, 5 MHz, 64-	X	4.36	79.65	21.99	6.02	65.0	± 9.6 %
CAD QPSK) 10235- LTE-TDI CAD 16-QAM 10236- LTE-TDI CAD 64-QAM 10237- LTE-TDI		Y	4.60	80.51	22.36		65.0	
CAD QPSK) 10235- LTE-TDI CAD 16-QAM 10236- LTE-TDI CAD 64-QAM 10237- LTE-TDI		Z	3.89	79.77	22.44		65.0	
10235- LTE-TDI CAD 16-QAM 10236- LTE-TDI CAD 64-QAM 10237- LTE-TDI	E-TDD (SC-FDMA, 1 RB, 5 MHz,	X	3.19	76.23	23.02	6.02	65.0	± 9.6 %
10236- LTE-TDI 64-QAM		Y	3.18	76.36	23.17		65.0	
10236- LTE-TDI 64-QAM		Z	2.78	74.77	22.80		65.0	
10236- LTE-TDI CAD 64-QAM 10237- LTE-TDI	E-TDD (SC-FDMA, 1 RB, 10 MHz,	X	4.38	80.55	22.98	6.02	65.0	± 9.6 %
10237- LTE-TD	Sec. Mary	Y	4.66	81.55	23.41		65.0	
10237- LTE-TD		Z	3.96	80.70	23.48		65.0	
10237- LTE-TD	E-TDD (SC-FDMA, 1 RB, 10 MHz,	X	4.40	79.78	22.03	6.02	65.0	± 9.6 %
		Y	4.64	80.65	22.40		65.0	
		Z	3.94	79.92	22.49		65.0	
- (d) (d)	E-TDD (SC-FDMA, 1 RB, 10 MHz,	X	3.25	76.71	23.34	6.02	65.0	± 9.6 %
	MIM.	Y	3.26	76.89	23.52		65.0	
		Z	2.83	75.20	23.10		65.0	
10238- LTE-TD	E-TDD (SC-FDMA, 1 RB, 15 MHz.	X	4.37	80.51	22.96	6.02	65.0	± 9.6 %
CAD 16-QAM		Y	4.65	81.50	23.39		65.0	_ 3.0 70
		Z	3.95	80.66	23.46		65.0	

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10239- CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.34	79.61	21.97	6.02	65.0	± 9.6 %
	The state of the s	Y	4.58	80.47	22.35		65.0	
		Z	3.88	79.72	22.43		65.0	
10240-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz,	X	3.25	76.69	23.33	6.02	65.0	± 9.6 %
CAD	QPSK)	- 77	2.05	70.07	00.54		00.0	
		Y	3.25	76.87	23.51		65.0	
40044	LEE TOO YOU FOLLS	Z	2.83	75.19	23.10	0.00	65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	×	5.67	76.94	23.64	6.98	65.0	± 9.6 %
		Y	5.73	77.33	23.85		65.0	100
		Z	5.41	77.63	24.19		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	5.51	76.48	23.38	6.98	65.0	± 9.6 %
		Y	5.15	75.22	22.87		65.0	
		Z	5.17	76.81	23.79		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	4.66	73.35	22.88	6.98	65.0	± 9.6 %
		Y	4.37	72.03	22,31		65.0	
		Z	4.40	73.35	23.12		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.90	67.06	13.06	3.98	65.0	± 9.6 %
		Y	2.71	66.26	12.47		65.0	
		Z	2.39	65.15	11.38		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.85	66.61	12.78	3.98	65.0	± 9.6 %
0.10	0.7 (2.11)	Y	2.68	65.84	12.20		65.0	
		Z	2.36	64.77	11.12		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	3.01	71.40	15.89	3.98	65.0	± 9.6 %
0,10		Y	2.36	67.99	13.82		65.0	
		Z	2.41	68.64	13.94		65.0	
10247- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	3.36	69.51	15.75	3.98	65.0	± 9.6 %
		Y	2.95	67.61	14.45		65.0	
		Z	2.97	68.07	14.42	11 - 1	65.0	
10248- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	3.34	68.90	15.44	3.98	65.0	± 9.6 %
		Y	2.95	67.15	14.22		65.0	
		Z	2.92	67.38	14.07		65.0	
10249- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	4.26	76.83	19.56	3.98	65.0	± 9.6 %
UND	GI OIL	Y	3.47	73.55	17.79		65.0	
		Z	3.81	75.50	18.55		65.0	
10250- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.36	73.05	19.62	3.98	65.0	± 9.6 %
		Y	4.02	71.77	18.85		65.0	
		Z	4.18	72.90	19.29		65.0	
10251- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.16	70.97	18.24	3.98	65.0	± 9.6 %
J. I.D	Total as Section	Y	3.84	69.74	17.45		65.0	
		Z	3.91	70.51	17.72		65.0	
10252- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	4.83	77.80	21.42	3.98	65.0	± 9.6 %
		Y	4.26	75.76	20.36		65.0	
		Z	4.64	77.86	21.33		65.0	
10253- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.40	70.58	18.61	3.98	65.0	± 9.6 %
UND	TO SOME	Y	4.13	69.58	18.00		65.0	
		Z	4.22	70.40	18,37		65.0	
10254-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz.	X	4.70	71.50	19.34	3.98	65.0	± 9.6 %
CAD	64-QAM)	Y	7.04.00			0.00	TO A COUNTY	2 3.0 70
			4.41	70.53	18.77		65.0	
		Z	4.01	71.38	19.13		65.0	

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10255- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	4.76	74.95	20.56	3.98	65.0	± 9.6 %
CAD	QF3K)	Y	4.35	73.52	19.81		er o	
		Z	4.59	75.06	20.58		65.0	
10256-	LTE-TDD (SC-FDMA, 100% RB, 1.4	X	2.08	63.27	9.80	3.98	65.0	± 9.6 %
CAA	MHz, 16-QAM)	^	2.00	03.27	5.00	3.30	00.0	I 9.0 76
	10 34 117	Y	1.95	62.60	9.21		65.0	
		Z	1.70	61.73	8.15		65.0	
10257-	LTE-TDD (SC-FDMA, 100% RB, 1.4	X	2.07	62.91	9.50	3.98	65.0	± 9.6 %
CAA	MHz, 64-QAM)				0.00	0.00	00.0	20,070
mmedit et i		Y	1.94	62.29	8.92		65.0	
		Z	1.69	61.46	7.88		65.0	
10258-	LTE-TDD (SC-FDMA, 100% RB, 1.4	X	2.01	65.63	11.91	3.98	65.0	±9.6 %
CAA	MHz, QPSK)							
		Y	1.65	63.35	10.17		65.0	
		Z	1.59	63.25	9.83		65.0	
10259-	LTE-TDD (SC-FDMA, 100% RB, 3 MHz,	X	3.78	71.05	17.26	3.98	65.0	±9.6 %
CAB	16-QAM)							
		Y	3.37	69.33	16.13		65.0	
		Z	3.46	70.13	16.31		65.0	
10260-	LTE-TDD (SC-FDMA, 100% RB, 3 MHz,	X	3.81	70.78	17.12	3.98	65.0	± 9.6 %
CAB	64-QAM)	1.0		00.15	40.00		0.5.5	
		Y	3.41	69.12	16.02		65.0	
40004	LTE TOD /CO FOUL 4000 FO A 111	Z	3.48	69.84	16.15	2.00	65.0	1000
10261-	LTE-TDD (SC-FDMA, 100% RB, 3 MHz,	X	4.32	76.55	20.03	3.98	65.0	± 9.6 %
CAB	QPSK)	· ·	2.00	70.07	10.01		00.0	
		Y	3.68	73.97	18.61		65.0	
10000	LTE TOO (SC FOMA 4009) DR FAILE	Z	4.03	75.96	19.43	2.00	65.0	+000
10262- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.35	72.98	19.56	3.98	65.0	± 9.6 %
		Y	4.00	71.69	18.79		65.0	
		Z	4.16	72.81	19.23	1000000	65.0	
10263- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.15	70.95	18.23	3.98	65.0	± 9.6 %
		Y	3.83	69.72	17.45		65.0	
		Z	3.90	70.49	17.72		65.0	20000
10264- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	4.78	77.59	21.30	3.98	65.0	±9.6 %
- F. C. A. T. L.		Y	4.21	75.55	20.24		65.0	
		Z	4.59	77.63	21.21		65.0	
10265- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.45	70.90	18.87	3.98	65.0	±9.6 %
OI IO	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Y	4.17	69.87	18.27		65.0	17
		Z	4.26	70.67	18.67		65.0	
10266- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	4.79	71.96	19.72	3.98	65.0	± 9.6 %
		Y	4.50	70.98	19.16		65.0	
		Z	4.60	71.84	19.58		65.0	
10267- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	4.98	75.63	20.70	3.98	65.0	±9.6 %
Urill	1711 (MA) (ME) (ME) (ME)	Y	4.53	74.10	19.92		65.0	
		Z	4.81	75.72	20.78		65.0	
10268-	LTE-TDD (SC-FDMA, 100% RB, 15	X	5.11	71.08	19.43	3.98	65.0	± 9.6 %
CAD	MHz, 16-QAM)	(2.0)	=397.00	VA.2324	E520000	2,00	10000	23.0 70
		Z	4.84	70.20	18.97		65.0 65.0	
10269-	LTE-TDD (SC-FDMA, 100% RB, 15	X	5.13	70.76	19.32	3.98	65.0	± 9.6 %
CAD	MHz, 64-QAM)	Y	4.87	69.92	18.86		65.0	
		Z	4.96	70.66	19.25		65.0	
10270-	LTE-TDD (SC-FDMA, 100% RB, 15	X	5.11	73.33	19.25	3.98	65.0	±9.6%
CAD	MHz, QPSK)	3500	BREENICA	Western's	- CONTRACTOR	3.80	1300000	1 3.0 %
		Y	4.76	72.19	19.29		65.0	
		2	4.96	73.43	19.98		65.0	

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10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2,48	66.86	14.99	0.00	150.0	± 9.6 %
		Y	2.30	65.90	14.17		150.0	
		Z	2.37	66.79	14.57		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	×	1.53	68.05	15.40	0.00	150.0	± 9.6 %
		Y	1.32	66.12	13.91		150.0	
		Z	1.45	67.75	14.99		150.0	
10277-	PHS (QPSK)	X	1.30	58.93	4.20	9.03	50.0	±9.6 %
CAA	77.5 (3. 5.7)	Y	1.32	58.56	3.87	130000	50.0	20.0 //
		Z	1.18	58.32	3.49			
10278-	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.49	64.91		0.02	50.0	1000
CAA	PHS (QFSK, BW 604MHZ, ROHOH 0.5)	1000	11 1570 501 111	95000000	10.26	9.03	50.0	±9.6 %
		Y	2.32	63.55	9.26		50.0	
TERMEN		Z	2.17	63.27	8.86		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	×	2.57	65.18	10.47	9.03	50.0	± 9.6 %
		Y	2.38	63.76	9.44		50.0	
		Z	2.22	63.44	9.03		50.0	
10290- CD AAB	CDMA2000, RC1, SO55, Full Rate	×	1.01	65.74	11.23	0.00	150.0	± 9.6 %
SPECIFIC		Y	0.67	61.70	8.06		150.0	
		Z	0.69	62.65	8.67		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	×	0.64	64.08	10.26	0.00	150.0	±9.6 %
10000		Y	0.41	60.32	6.85		150.0	
		Z	0.48	61.84	8.06		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	0.93	69.17	13.09	0.00	150.0	± 9.6 %
		Y	0.46	61.72	7.96		150.0	
		Z	0.63	65.19	10.18		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	2.58	81.84	18.38	0.00	150.0	±9.6 %
		Y	0.61	64.42	9.84		150.0	
		Z	1.45	74.16	14.40		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	×	16.38	93.11	24.71	9.03	50.0	± 9.6 %
		Y	16.06	90.60	23.14		50.0	
		Z	41.75	104.48	26.91		50.0	
10297- AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.56	69.49	16.58	0.00	150.0	± 9.6 %
		Y	2.33	68.15	15.68		150.0	
		z	2.43	69.17	16.39		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.18	65.35	11.77	0.00	150.0	± 9.6 %
		Y	0.89	62.40	9.35		150.0	
		Z	0.90	63.00	9.64		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.36	63.05	9.42	0.00	150.0	± 9.6 %
, , , ,	100	Y	1.26	62.26	8.62		150.0	
		Z	1.05	61.24	7.54		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.15	60.99	7.59	0.00	150.0	± 9.6 %
rviv	O'T WOMIN)	Y	1.07	60.46	6.94		150.0	
		Z	0.89	59.75	5.99		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.25	64.73	16.86	4.17	50.0	±9.6 %
AAA	TOWN L. GEON, FOOD)	Υ	4.21	64.78	16.74		50.0	
		Z	4.10	64.79	THE RESERVE AND ADDRESS OF THE PARTY OF THE		The state of the last of the l	
10302-	IEEE 802.16e WiMAX (29:18, 5ms,	X	4.74		16.69	4.00	50.0	4000
AAA	10MHz, QPSK, PUSC, 3 CTRL symbols)		20-1-20	65.43	17.63	4.96	50.0	± 9.6 %
		Y	4.66	65.24	17,38		50.0	
		Z	4.60	65.49	17.44		50.0	

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10303- AAA	Trees are the trust of the trees	1 22 1		1 17200000	-			
	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	×	4.49	65.00	17.39	4.96	50.0	± 9.6 %
		Y	4.44	65.13	17.34		50.0	
		Z	4.36	65.13	17.21		50.0	
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.34	65.04	16.98	4.17	50.0	± 9.6 %
7///	TOWITZ, 04QAW, FOSC)	Y	4.25	64.81	16.70		50.0	
		Z	4.21	65.16	16.81		50.0	
10305-	IEEE 802.16e WiMAX (31:15, 10ms,	X	3.71	65.40	17.85	6.02		+069
AAA	10MHz, 64QAM, PUSC, 15 symbols)					6.02	35.0	± 9.6 %
		Y	3.72	65.71	17.67		35.0	
		Z	3,59	65.50	17.36		35.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	×	4.14	65.15	17.96	6.02	35.0	± 9.6 %
		Y	4.12	65.33	17.82		35.0	
		Z	4.02	65.33	17.66		35.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.01	65.07	17.81	6.02	35.0	± 9.6 %
		Y	3.99	65.26	17.66		35.0	
LT IN CASE OF STREET		Z	3.89	65.22	17.49		35.0	
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	3.97	65.21	17.93	6.02	35.0	± 9.6 %
	17.111.124.117.78.7111.117.78.79.11	Y	3.96	65.42	17.79		35.0	
		Z	3.86	65.37	17.62		35.0	
10309-	IEEE 802.16e WiMAX (29:18, 10ms,	X	4.16	65.22	18.05	6.02	35.0	±9.6 %
AAA	10MHz, 16QAM, AMC 2x3, 18 symbols)	(0.00)	New Year	222012	53300	0.02	13355	1 9.0 %
		Y	4.14	65.39	17.90		35.0	
	1000 000 100 100 100 100 100 100 100 10	Z	4.03	65.36	17,74	0.00	35.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.09	65.15	17.92	6.02	35.0	± 9.6 %
		Y	4.07	65.35	17.79		35.0	
	Wales and the second second second	Z	3.97	65.35	17.65		35.0	- West-
	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.92	68.73	16.23	0.00	150.0	± 9.6 %
		Y	2.68	67.45	15.43		150.0	
		Z	2.78	68.38	16.08		150.0	
10313- AAA	IDEN 1:3	X	2.23	70.71	15.35	6.99	70.0	±9.6 %
7001		Y	1.69	66.90	13.17		70.0	
		Z	2.30	71.64	15.93		70.0	
10314- AAA	IDEN 1:6	X	4.08	80.89	22.31	10.00	30.0	± 9.6 %
rivit		Y	3.04	75.07	19.42		30.0	
		Z	4.65	83.62	23.48		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.04	63.55	14.98	0.17	150.0	± 9.6 %
, , ,	mops, sope daily elone)	Y	0.94	62.52	14.02		150.0	
		Z	1.03	63.50	14.81		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.37	66.68	16.19	0.17	150.0	±9.6 %
PARIO	Or Divi, o Wobs, sope duty cycle)	Y	4.26	66.34	15.95		150.0	
		Z	4.26	66.72	16.11		150.0	
10317-	IEEE 802.11a WiFi 5 GHz (OFDM, 6	X	4.20	66.68	16.11	0.17	150.0	±9.6 %
10317-	Mbps, 96pc duty cycle)	250			1225222	0.17	ENG-300	£ 9.6 %
AAC		Y	4.26	66.34	15.95		150.0	
AAC		Z	4.26	66.72	16.11		150.0	
			4 40	67.02	16.23	0.00	150.0	±9.6 %
10400-	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.46	25/1820/1944	National Company	IL N. ACADOM.		
10400-		X	4.46	66.64	15.97	II for acceptant	150.0	10000000
10400-		Y	5920201	NAMES OF A	111-112-1101	11.0000	150.0 150.0	
10400- AAD	99pc duty cycle) IEEE 802.11ac WiFi (40MHz, 64-QAM,	152-08	4.33	66,64	15.97	0.00		± 9.6 %
10400- AAD	99pc duty cycle)	Y	4.33 4.31	66.64 66.98	15.97 16.13	0.00	150.0	± 9.6 %

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10402- AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	Х	5.47	67.39	16.42	0.00	150.0	±9.6 %
MAD	99pc daty cycle)	Y	5.37	67.08	16.25		150.0	
		Z	5.37	67.35	16.23		150.0	
10403-	CDMA2000 (1xEV-DO, Rev. 0)	X	1.01	65.74	11.23	0.00	115.0	± 9.6 %
AAB	ODM/2000 (TACY-DO, Nev. 0)		1.00	00.74	11.60	0.00	110.0	2 0.0 70
7.0.102		Y	0.67	61.70	8.06		115.0	
		Z	0.69	62.65	8.67		115.0	
10404-	CDMA2000 (1xEV-DO, Rev. A)	X	1.01	65.74	11.23	0.00	115.0	±9.6 %
AAB	SOMPLESSO (TALT DO, TICKTY)	30	1.01	00.77	21,000	0.00	110.0	20.0 /0
		Y	0.67	61.70	8.06		115.0	
		Z	0.69	62.65	8.67		115.0	
10406-	CDMA2000, RC3, SO32, SCH0, Full	X	13.40	94.87	22.42	0.00	100.0	± 9.6 %
AAB	Rate	2062	23-28%	153415250	ATTACAS (1000000	-3-E3EM3
0-0-11		Y	37.24	104.89	24.38		100.0	
		Z	100.00	114.79	25.79		100.0	
10410- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	×	2.95	79.35	18.40	3.23	80.0	± 9.6 %
	- Continue Contract	Y	3.69	82.30	19.32		80.0	
		Z	3.87	84.90	20.56		80.0	
10415-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	X	1.00	63.14	14.62	0.00	150.0	±9.6 %
AAA	Mbps, 99pc duty cycle)	25.5	111111111111111111111111111111111111111	2000	1000000	1000	1	
		Y	0.91	62.12	13.65		150.0	
		Z	0.99	63.08	14.44		150.0	
10416-	IEEE 802.11g WiFi 2.4 GHz (ERP-	X	4.35	66.77	16.19	0.00	150.0	± 9.6 %
AAA	OFDM, 6 Mbps, 99pc duty cycle)	1000	THORESON	(CEN)	1969866 U		25922923	SSECTION
2000		Y	4.23	66.41	15.93		150.0	
		Z	4.24	66.81	16.11		150.0	
10417- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	×	4,35	66.77	16.19	0.00	150.0	±9.6 %
		Y	4.23	66.41	15.93		150.0	
		Z	4.24	66.81	16.11		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.35	66.98	16.25	0.00	150.0	± 9.6 %
		Y	4.23	66.61	15.99		150.0	
47403410034	THE SECTION OF THE SE	Z	4.23	67.03	16.19	1. University	150.0	- Washington
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.36	66.91	16.23	0.00	150.0	±9.6 %
	- International Control of the Contr	Y	4.24	66.55	15.97		150.0	
		Z	4.25	66.96	16.17		150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.47	66.89	16.24	0.00	150.0	± 9.6 %
		Y	4,35	66.53	15.99		150.0	
		Z	4.35	66.92	16.18		150.0	
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	×	4.59	67.14	16.33	0.00	150.0	± 9.6 %
		Y	4.47	66.78	16.08		150.0	
		Z	4.46	67.16	16.25		150.0	
10424-	IEEE 802.11n (HT Greenfield, 72.2	X	4.52	67.09	16,31	0.00	150.0	± 9.6 %
AAB	Mbps, 64-QAM)				0			
		Y	4.40	66.73	16.05		150.0	
NAME OF TAXABLE PARTY.		Z	4.39	67.09	16.23	-	150.0	
10425- AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	×	5,15	67.27	16.49	0.00	150.0	± 9.6 %
		Y	5.05	66.98	16.31		150.0	
		Z	5.01	67.17	16.41		150.0	
10426- AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	×	5.17	67.36	16,53	0.00	150.0	± 9.6 %
		Y	5.08	67.12	16.38		150.0	
		Z	5.05	67.33	16.49		150.0	

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10427- AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.13	67.15	16.42	0.00	150.0	± 9.6 %
		Y	5.03	66.85	16.24		150.0	
VANCOUNT I	VALUE AND THE PARTY OF THE PART	Z	5.01	67.11	16.38		150.0	
10430- AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.23	72.27	18.34	0.00	150.0	± 9.6 %
		Y	3.99	71.49	17.71		150.0	
		Z	4.17	72.80	18.15		150.0	
10431-	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.96	67.36	16.06	0.00	150.0	±9.6 %
AAB	ETE-1 DD (OT DMA, 10 MF12, E-1M 3.1)	Ŷ	D88535	220000000000000000000000000000000000000	0.790.00	0.00	AVESSOCS	1 9.0 %
			3.81	66.88	15.67		150.0	
10100	175 500 (050)11 45101 5 7146 0	Z	3.81	67.37	15.87		150.0	
10432- AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.29	67.19	16.23	0.00	150.0	± 9.6 %
		Y	4.15	66.79	15.93		150.0	
24244		Z	4.15	67.22	16.13		150.0	
10433- AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	×	4.54	67.13	16.33	0.00	150.0	± 9.6 %
		Y	4.42	66.76	16.08		150.0	
		Z	4.41	67.14	16.25		150.0	
10434- W-CDMA (B	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.34	73.15	18.13	0.00	150.0	± 9.6 %
		Y	3.97	71.83	17.20		150.0	
		Z	4.17	73.19	17.60		150.0	
10435-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	X	2.84	78.74	18.13	3.23	80.0	±9.6 %
AAC	QPSK, UL Subframe=2,3,4,7,8,9)	Y	- Contract			3.23		I 9.0 %
			3.48	81.45	18.98		80.0	
40447	LTE FOR OFFILE FALL FALLS	Z	3.64	83.98	20.20		80.0	
10447- AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.20	67.15	14.91	0.00	150.0	± 9.6 %
		Y	2.99	66.28	14.17		150.0	
		Z	2.97	66.77	14.26		150.0	
10448- AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.83	67.16	15.94	0.00	150.0	±9.6 %
		Y	3.68	66.67	15.55		150.0	
		Z	3.69	67.18	15.75		150.0	
10449- AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.13	67.03	16.13	0.00	150.0	± 9.6 %
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Y	4.00	66.61	15.83		150.0	
		Z	4.00	67.05	16.03		150.0	
10450- AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.34	66.91	16.19	0.00	150.0	±9.6 %
-		Y	4.22	66.53	15.92		150.0	
		Z	4.23	66.92	16.11		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2,99	66.88	14.14	0.00	150.0	± 9.6 %
	- Control of the Cont	Y	2.74	65.78	13.23		150.0	
		Z	2.69	66.07	13.18		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.06	67.78	16.63	0.00	150.0	± 9.6 %
7.4.00		Y	6.00	67.55	16.51		150.0	
		Z	6.07	68.05	16.78		150.0	
10457-	UMTS-FDD (DC-HSDPA)	X	3.71	65,53	15.92	0.00	150.0	±9.6 %
AAA	Since of the last internal	Y	3.61	65.20	15.66	7.4.44	150.0	3.0.00
		Z	3.65	65.68	15.87		150.0	
10458-	CDMA2000 (1xEV-DO, Rev. B, 2	X	3.70	71.13	16.64	0.00	150.0	± 9.6 %
AAA	carriers)						100.0	
		Y	3.25	69.16	15.28		150.0	
		Z	3.15	69.17	14.95	12722	150.0	
10459- NAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.84	69,11	17.84	0.00	150.0	± 9.6 %
AAA		Y	4.69	68.77	17.48		150.0	

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10460-	UMTS-FDD (WCDMA, AMR)	Х	0.88	68.39	16.07	0.00	150.0	±9.6 %
AAA		W	0.70	05.50	40.77		450.0	
		Y	0.70	65.56	13.77		150.0	
10101	1 TE TOD (00 FD11) 1 CO 1 1 1 1 1	Z	0.84	67.99	15.62	0.00	150.0	1500
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	1.57	72.49	16.91	3.29	80.0	± 9.6 %
1 P. Ser Call	THE STATE OF THE PARTY OF THE P	Y	2.31	77.86	18.85		80.0	
		Z	1.89	76.90	18.97		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.36	3.23	80.0	± 9.6 %
-		Y	0.67	60.00	7.26		80.0	
		Z	0.57	60.00	7.02		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.67	3.23	80.0	± 9.6 %
	01 20 1111 02 300113110 210111110101	Y	0.68	60.00	6.58		80.0	
		Z	0.60	60.00	6.22		80.0	
10464-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz,	X	1.23	69.24	14.93	3.23	80.0	± 9.6 %
AAA	QPSK, UL Subframe=2,3,4,7,8,9)		11000000	101/2/01/27	CV-Dolese L	0.20		1 3.0 /0
		Y	1.59	72.66	16.19		80.0	
4040=	175 700 000 50111 1 50 5111	Z	1.42	72.83	16.69	0.00	80.0	1 2 2 2 2
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	0.65	60.00	7.28	3.23	80.0	± 9.6 %
		Y	0.67	60.00	7.19		80.0	
		Z	0.57	60.00	6.95	-	80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.62	3.23	80.0	± 9.6 %
	The state of the s	Y	0.69	60.00	6.54		80.0	
		Z	0.60	60.00	6.18		80.0	
10467- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.28	69.83	15.22	3.23	80.0	± 9.6 %
		Y	1.71	73.64	16.62		80.0	
		Z	1.51	73.74	17.10		80.0	
10468- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.31	3.23	80.0	± 9.6 %
1110		Y	0.66	60.00	7.22		80.0	
		Z	0.57	60.00	6.98		80.0	
10469- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.62	3.23	80.0	± 9.6 %
1010	as an or chordina alatinialay	Y	0.68	60.00	6.54		80.0	
		Z	0.60	60.00	6.18		80.0	
10470- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.27	69.83	15.21	3.23	80.0	± 9.6 %
AAC	Q/ O(, OC Oubitatile=2,0,4,7,0,0)	Y	1.71	73.66	16.62		80.0	
		Z	1.50	73.77	17.11		80.0	
10471- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.65	60.00	7.29	3.23	80.0	± 9.6 %
. 510	Se 111/1 OE SOUNGING - E,O,T,1,O,O)	Y	0.66	60.00	7.20		80.0	
		Z	0.57	60.00	6.96		80.0	
10472- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.67	60.00	6.60	3.23	80.0	± 9.6 %
rino	Se iiii, Oc Gustamo-2,5,4,7,6,5)	Y	0.68	60.00	6.52		80.0	
		Z	0.31	55.91	4.03		80.0	
10473-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz.	X	1.27	69.80	15.19	3.23	80.0	± 9.6 %
AAC	QPSK, UL Subframe=2,3,4,7,8,9)		2000	ATS00505	111271001	3.23	GREEKE THE	19.0 %
		Y	1.70	73.59	16.59		80.0	
10474-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-	X	1.50 0.65	73.71 60.00	17.08 7.29	3.23	80.0	± 9.6 %
AAC	QAM, UL Subframe=2,3,4,7,8,9)	34	0.00	00.00	7.00		00.0	
		Y	0.66	60.00	7.20		80.0	
10.177	1 TE TOO 100 FOUR 1 CO 101 II	Z	0.57	60.00	6.96		80.0	
10475- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	0.67	60.00	6.60	3.23	80.0	± 9.6 %
		Y	0.68	60.00	6.52		80.0	
		Z	0.31	55.90	4.03		80.0	

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10477- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.65	60.00	7.26	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.17		80.0	
		Z	0.57	60.00	6.93		80.0	
10478- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.67	60.00	6.59	3.23	80.0	± 9.6 %
177		Y	0.68	60.00	6.51		80.0	
0000000		Z	0.31	55.89	4.01		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.24	76.16	18.67	3.23	80.0	± 9.6 %
		Y	4.42	80.82	20.23		80.0	
		Z	4.39	82.21	20.82		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.03	66.76	12.73	3.23	80.0	± 9.6 %
	100000000000000000000000000000000000000	Y	2.05	66.92	12.60		80.0	
		Z	1.85	67.01	12.43		80.0	-
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.62	63.96	11.04	3.23	80.0	± 9.6 %
		Y	1.57	63.66	10.70		80.0	
		Z	1.32	63.18	10.24		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.53	65.20	12.69	2.23	80.0	±9.6 %
MINE O		Y	1.10	61.56	10.21		80.0	
		Z	1.14	62.42	10.54		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.45	61.38	9.71	2.23	80.0	±9.6 %
20201012		Y	1.32	60.52	8.97		80.0	
		Z	1.16	60.00	8.17		80.0	
	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.44	61.07	9,53	2.23	80.0	± 9.6 %
		Y	1.32	60.25	8.82		80.0	
		Z	1.19	60.00	8.15		80.0	
10485- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.16	69.31	16.02	2.23	80.0	± 9.6 %
		Y	1.69	66.06	14.04		80.0	
		Z	1.93	68.38	15.12		80.0	
10486- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.10	65.45	13.37	2.23	80.0	± 9.6 %
CANADA.		Y	1.71	62.92	11.64		80.0	
		Z	1.73	63.60	11.80		80.0	
10487- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.11	65.08	13,16	2.23	80.0	± 9.6 %
		Y	1.73	62.69	11.49		80.0	
		Z	1.73	63.23	11.57		80.0	
10488- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.58	69.55	17.35	2.23	80.0	± 9.6 %
		Υ	2.27	67.73	16.25		80.0	
		Z	2.45	69.44	17.18		80.0	
10489- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.75	67.17	16.06	2.23	80.0	± 9.6 %
		Υ	2.49	65.86	15.18		80.0	
		Z	2.63	67.13	15.78		80.0	
10490- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.83	67.06	16.01	2.23	80.0	± 9.6 %
		Y	2.57	65.81	15.15		80.0	
		Z	2.69	66.99	15.69		80.0	
10491- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.92	68.61	17.17	2.23	80.0	± 9.6 %
		Y	2.65	67.28	16.37		80.0	
		Z	2.77	68.48	17.08		80.0	
10492- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.13	66.69	16.33	2.23	80.0	± 9.6 %
AAC		Y	2.92	65.77	15.72		80.0	
		2012	6.34	03.77	10.72		00.0	

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10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz.	-	3.19	66.60	16.28	2.23	80.0	+000
AAC	64-QAM, UL Subframe=2,3,4,7,8,9)	×	3.19	00.00	10.26	2.23	80.0	±9.6 %
	The state of the s	Y	2.99	65.70	15.69		80.0	
		Z	3.07	66.59	16.12		80.0	
10494- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	3.09	69.75	17.58	2.23	80.0	±9.6 %
T. P. L. P.	Decree of the control	Y	2.78	68.23	16.72		80.0	
		Z	2.93	69.54	17.51		80.0	
10495-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	X	3.15	66.91	16.53	2.23	80.0	±9.6 %
AAC	16-QAM, UL Subframe=2,3,4,7,8,9)	Y	2.94	65.97	15.94	10000000	80.0	LESCON AND
		Z	3.03	66.87	16.43		80.0	
10496- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.24	66.76	16.49	2.23	80.0	± 9.6 %
		Y	3.04	65.88	15.93		80.0	
		Z	3.12	66.74	16.39		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	0.93	60.00	8.57	2.23	80.0	± 9.6 %
	mining an only of ordering allowing	Y	0.90	60.00	7.78		80.0	
		Z	0.86	60.00	7.53		80.0	
10498-	LTE-TDD (SC-FDMA, 100% RB, 1.4	X	1.10	60.00	7.25	2.23	80.0	±9.6 %
AAA	MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)		1.10	00.00	7.25	2.23	50.0	13.0 %
		Y	1.08	60.00	6.57		80.0	
		2	1.05	60.00	6.14		80.0	-12
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL	X	1.12	60.00	7.08	2.23	80.0	± 9.6 %
	Subframe=2,3,4,7,8,9)	Y	1.11	60.00	6.40		80.0	
		Z	1.08	60.00	5.96		80.0	
	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.33	69.42	16.57	2.23	80.0	± 9.6 %
		Y	1.93	66.88	15.00		80.0	
		Z	2.16	69.02	16.03		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.42	66.55	14.60	2.23	80.0	± 9.6 %
		Y	2.06	64.46	13.19		80.0	
		Z	2.16	65.57	13.59		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.46	66.38	14.43	2.23	80.0	± 9.6 %
Laura de la constante de la co		Y	2.09	64.32	13.03		80.0	
		Z	2.17	65.33	13.38		80.0	
10503- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.55	69.37	17.25	2.23	80.0	± 9.6 %
		Y	2.24	67.56	16.15		80.0	
		Z	2.42	69.25	17.08		80.0	
10504- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.73	67.07	16.00	2.23	80.0	± 9.6 %
		Y	2.48	65.76	15.11		80.0	
		Z	2.61	67.02	15.71		80.0	
10505- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.82	66.97	15.95	2.23	80.0	± 9.6 %
		Y	2.56	65.72	15.09		80.0	
		Z	2.68	66.89	15.62		80.0	
10506- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.07	69.63	17.51	2.23	80.0	± 9.6 %
		Y	2.76	68.11	16.65		80.0	
F0300000	CONTROL TO SECURE A SECURITION OF THE SECURITION	Z	2.91	69.41	17.44	- Lander	80.0	
10507- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.14	66.85	16.49	2.23	80.0	±9.6 %
	Southern Electrical	Y	2.93	65.91	15.90		80.0	

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10508- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.23	66.69	16.44	2.23	80.0	± 9.6 %
		Y	3.03	65.82	15.89		80.0	
		Z	3.11	66.67	16.35		80.0	
10509- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.52	68.96	17.25	2.23	80.0	± 9.6 %
	We make the second of the seco	Y	3.24	67.75	16.57		80.0	
		Z	3.37	68.79	17.22		80.0	
10510- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.62	66.72	16.61	2.23	80.0	± 9.6 %
	A CONTRACTOR OF THE PROPERTY O	Y	3.43	65.94	16.15		80.0	
		Z	3.50	66.61	16.55		80.0	
10511- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.70	66.58	16.58	2.23	80.0	± 9.6 %
		Y	3.51	65.85	16.14		80.0	
AL		Z	3.58	66.51	16.52		80.0	
10512- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.56	70.02	17.57	2.23	80.0	± 9.6 %
		Y	3.23	68.54	16.78		80.0	
		Z	3.39	69.70	17.50		80.0	
10513- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	66.80	16.66	2.23	80.0	±9.6 %
		Y	3.31	65.98	16.18		80.0	
	A MANAGEMENT AND A STATE OF THE	Z	3.39	66.65	16.59		80.0	
10514- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	х	3.56	66.53	16.58	2.23	80.0	± 9.6 %
		Y	3.38	65.75	16.13		80.0	
		Z	3.45	66.40	16.52		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.96	63.31	14.68	0.00	150.0	± 9.6 %
		Y	0.87	62.23	13.64		150.0	
		Z	0.95	63.24	14.49	-	150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.59	70.32	17.28	0.00	150.0	± 9.6 %
		Y	0.43	66.45	13.92		150.0	
-		Z	0.56	69.40	16.67	-	150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.81	65.09	15.27	0.00	150.0	±9.6 %
		Y	0.69	63.42	13.73		150.0	
		Z	0.79	64.83	14.98		150.0	-
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.34	66.88	16.18	0.00	150.0	± 9.6 %
		Y	4.22	66.51	15.92		150.0	
10519-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12	Z X	4.23	66.93 67.04	16.12 16.27	0.00	150.0	±9.6 %
AAB	Mbps, 99pc duty cycle)		4.55		40.00		400.0	
		Y	4.36	66.68	16.01		150.0	
		Z	4.35	67.07	16.19		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.34	66.97	16.18	0.00	150.0	± 9.6 %
		Y	4.22	66.59	15.92		150.0	
10521-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24	X	4.22	66.99 66.94	16.11	0.00	150.0 150.0	±9.6 %
AAB	Mbps, 99pc duty cycle)	Y	AAE	66 E4	15.00		450.0	
		Z	4.15	66.54 66.93	15.89		150.0	
10522-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36	X	4.13	67.05	16.25	0.00	150.0	± 9.6 %
AAB	Mbps, 99pc duty cycle)	Y	4.19	66.65	15.97	0.00	150.0	1 5.0 %
		Z	4.18	66.98	16.13		150.0	
		4	4.10	00.00	10.10		100.0	

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10523- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.26	67.08	16.19	0.00	150.0	± 9.6 %
and the		Y	4.13	66.69	15.91		150.0	
		Z	4.15	67.15	16.14		150.0	
10524- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.28	67.03	16.25	0.00	150.0	±9.6 %
	N-2-1-3-0-V	Y	4.15	66.64	15.98		150.0	
		Z	4.14	67.03	16.17		150.0	
10525- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.31	66.15	15.88	0.00	150.0	± 9.6 %
		Y	4.19	65.75	15.61		150.0	
		Z	4.20	66.20	15.83		150.0	
10526- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.43	66.41	15.99	0.00	150.0	± 9.6 %
		Y	4.30	66.01	15.72		150.0	
		Z	4.30	66.42	15.92		150.0	V
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.36	66.39	15.93	0.00	150.0	± 9.6 %
		Y	4.23	65.97	15.65		150.0	
		Z	4.24	66.40	15.86		150.0	
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.38	66.40	15.96	0.00	150.0	± 9.6 %
		Y	4.25	65.99	15.69		150.0	
		Z	4.25	66.41	15.89		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	×	4.38	66.40	15.96	0.00	150.0	± 9.6 %
	1 11 M = 51 - 51 - M	Y	4.25	65.99	15.69		150.0	
		Z	4.25	66.41	15.89		150.0	
10531- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.34	66.42	15.94	0.00	150.0	± 9.6 %
		Y	4.21	65.99	15.65		150.0	
		Z	4.20	66.38	15.85		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.23	66.28	15.87	0.00	150.0	± 9.6 %
	- A	Y	4.09	65.84	15.58		150.0	
		Z	4.10	66.26	15.79		150.0	
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.38	66.48	15.97	0.00	150.0	± 9.6 %
	1	Y	4.25	66.07	15.69		150.0	
		Z	4.25	66.50	15.90		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.94	66.38	16.03	0.00	150.0	± 9.6 %
		Y	4.83	66.04	15.82		150.0	
		Z	4.83	66.34	15.98		150.0	
10535- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.98	66.50	16.09	0.00	150.0	± 9.6 %
me or	The Account Committee of the Committee o	Y	4.87	66,15	15.88		150.0	
		Z	4.85	66.43	16.03		150.0	
10536- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.87	66.51	16.07	0.00	150.0	± 9.6 %
Transition		Y	4.76	66.13	15.84		150.0	
		Z	4.75	66.43	16.01		150.0	
10537- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.94	66.51	16.07	0.00	150.0	± 9.6 %
	1370C9 E30001 E300000	Y	4.83	66.19	15.88		150.0	
		Z	4.83	66.50	16.04		150.0	
10538- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.00	66.46	16.08	0.00	150.0	± 9.6 %
	2-015.05000000000000000000000000000000000	Y	4.89	66.12	15.88		150.0	
		Z	4.87	66.39	16.02		150.0	
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.93	66.42	16.08	0.00	150.0	± 9.6 %
	100000000000000000000000000000000000000	Y	4.82	66.06	15.87		150.0	

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10541-	IEEE 802.11ac WiFi (40MHz, MCS7,	X	4.92	66.35	16.03	0.00	150.0	± 9.6 %
AAB	99pc duty cycle)	Y	4.81	65.99	15.82		150.0	
		Z	4.81	66.31	15.98		150.0	
10542- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	×	5.07	66.45	16.09	0.00	150.0	± 9.6 %
20.10	oope daily dydicy	Y	4.96	66.11	15.90		150.0	
		Z	4.95	66.40	16.04		150.0	
10543- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5,15	66.53	16.16	0.00	150.0	± 9.6 %
	ospo dalij ojunoj	Y	5.05	66.25	16.00		150.0	
		Z	5.03	66.51	16.13		150.0	
10544- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	×	5.29	66.46	16.02	0.00	150.0	± 9.6 %
CONTROL STATE	- CONTROL OF CONTROL O	Y	5.19	66.11	15.83		150.0	
		Z	5.19	66.38	15.97		150.0	
10545- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	×	5.46	66.89	16.19	0.00	150.0	± 9.6 %
and the second		Y	5.37	66.61	16.04		150.0	
		Z	5.35	66.81	16.15		150.0	
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	×	5.32	66.57	16.05	0.00	150.0	± 9.6 %
	West of the second seco	Y	5.22	66.23	15.86		150.0	
		Z	5.22	66.48	15.99		150.0	
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	×	5.40	66.70	16.10	0.00	150.0	± 9.6 %
		Y	5.32	66.42	15.95		150.0	
		Z	5.33	66.71	16.11		150.0	
10548- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.53	67.27	16.37	0.00	150.0	±9.6 %
		Y	5.44	66.98	16.21		150.0	
		Z	5.38	67.07	16.27		150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	×	5.38	66.78	16.16	0.00	150.0	± 9.6 %
		Y	5.31	66.53	16.02		150.0	
***************************************		Z	5.31	66.81	16.17		150.0	
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	×	5.31	66,54	16.01	0.00	150.0	± 9.6 %
		Y	5.20	66.17	15.81		150.0	
-		Z	5.19	66.41	15.94		150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	×	5.30	66.58	16.03	0.00	150.0	± 9.6 %
		Y	5.19	66,23	15.83		150.0	
		Z	5.20	66.53	15.99		150.0	
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.35	66.52	16.03	0.00	150.0	± 9.6 %
		Y	5.24	66.17	15.83		150.0	
7000		Z	5.24	66.44	15.97		150.0	1676
10554- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.71	66.79	16.10	0.00	150.0	± 9.6 %
		Y	5.62	66.47	15.93		150.0	
		Z	5.63	66.70	16.05	0.00	150.0	
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.80	67.00	16.19	0.00	150.0	±9.6 %
		Y	5.71	66.69	16.02		150.0	
10556-	IEEE 802.11ac WiFi (160MHz, MCS2,	X	5.70 5.84	66.87 67.12	16.12	0.00	150.0 150.0	± 9.6 %
AAC	99pc duty cycle)		E 70	00 OF	40.00		150.0	
		Y	5.76	66.85	16.09		150.0	
10557	IEEE 902 44 oo WIEI /400 H II - 1400 C	Z	5.75	67.04	16.20	0.00	150.0	+000
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.79	66.99	16.19	0.00	150.0	± 9.6 %
		Y	5.70	66.66	16.02		150.0	
		Z	5.70	66.88	16.14		150.0	

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10558- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.80	67.03	16.23	0.00	150.0	± 9.6 %
		Y	5.69	66.67	16.04		150.0	
		Z	5.67	66.84	16.13		150.0	
10560- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.82	66.97	16.24	0.00	150.0	± 9.6 %
	L.V.	Y	5.72	66.63	16.06		150.0	
		Z	5.71	66.83	16.16		150.0	
10561- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	5.76	66.95	16.26	0.00	150.0	± 9.6 %
		Y	5.66	66.63	16.09		150.0	
		Z	5.65	66.81	16.18		150.0	
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	Х	5.80	67.11	16.34	0.00	150.0	± 9.6 %
		Y	5.70	66.75	16.15		150.0	
		Z	5.68	66.93	16.24		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.91	67.11	16.30	0.00	150.0	± 9.6 %
	1001 - 0018 - 31	Y	5,83	66.82	16.15		150.0	
		Z	5.80	66.98	16.24		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	×	4.65	66.88	16.30	0.46	150.0	± 9.6 %
		Y	4.54	66.54	16.07		150.0	
		Z	4.53	66.91	16.24		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	4.85	67.29	16.62	0.46	150.0	± 9.6 %
		Y	4.73	66.97	16.40		150.0	
		Z	4.71	67.32	16.56		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	4.68	67.10	16.42	0.46	150.0	± 9.6 %
71-1		Y	4.56	66.75	16.18		150.0	
		Z	4.55	67.11	16.35		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	х	4.72	67.51	16.80	0.46	150.0	± 9.6 %
	9 // 1 - 2 / Mark	Y	4.60	67.16	16.57		150.0	
		Z	4.59	67.52	16.75		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.57	66.80	16.14	0.46	150.0	± 9.6 %
		Y	4.45	66.43	15.88		150.0	4
		Z	4.42	66.71	16.01		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.71	67.75	16.95	0.46	150.0	± 9.6 %
		Y	4.59	67.42	16.73		150.0	
		Z	4.60	67.83	16.93		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.71	67.51	16.83	0.46	150.0	± 9.6 %
100	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Y	4.59	67.18	16.60		150.0	
		Z	4.57	67.54	16.78		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	1.08	63.64	15.05	0.46	130.0	± 9.6 %
		Y	0.98	62.63	14.12		130.0	
		Z	1.06	63.58	14.89		130.0	
10572- AAA	IEEE 802,11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.08	64.13	15.38	0.46	130.0	± 9.6 %
		Y	0.98	63.05	14.41		130.0	
		Z	1.07	64.06	15.22	-	130.0	i gu
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.08	77.41	20.56	0.46	130.0	± 9.6 %
		Y	0.73	71.46	16.79		130.0	
		Z	0.99	75.97	19.89		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.10	68.88	18.01	0.46	130.0	± 9.6 %
		Y	0.95	66.93	16.52		130.0	
		T	0.00	00.33	10.02		130.0	

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10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.42	66.59	16.28	0.46	130.0	± 9.6 %
interior .		Y	4.31	66.26	16.05		130.0	
		Z	4.30	66.63	16.21		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.45	66.80	16.37	0.46	130.0	± 9.6 %
		Y	4.34	66.48	16.14		130.0	
		Z	4.33	66.87	16.32		130.0	
10577-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.61	67.03	16.52	0.46	130.0	± 9.6 %
AAA	OFDM, 12 Mbps, 90pc duty cycle)	Y	4.49	66.71	16.29	0.40	130.0	1 3.0 %
		Z	4.48	67.07				
10578-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X			16.45	0.40	130.0	2000
AAA	OFDM, 18 Mbps, 90pc duty cycle)	1255	4.51	67.18	16.63	0.46	130.0	±9.6 %
		Y	4.40	66.85	16.40		130.0	
		Z	4.39	67.23	16.57		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	Х	4.26	66.33	15.85	0.46	130.0	±9.6 %
		Y	4.14	65.96	15.59		130.0	
		Z	4.13	66.29	15.75		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.29	66.37	15.87	0.46	130.0	± 9.6 %
		Y	4.17	66.01	15.60		130.0	1
	CONTRACTOR OF THE STATE OF THE	Z	4.14	66.28	15.72		130.0	d synason
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.43	67.26	16.60	0.46	130.0	± 9.6 %
		Y	4.31	66.92	16.36		130.0	
III W	Large sall and the sale in the	Z	4.31	67.34	16.57		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	Х	4.19	66.09	15.63	0.46	130.0	±9.6 %
		Y	4.07	65.73	15.36		130.0	
		Z	4.05	66.04	15.51		130.0	
10583- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.42	66.59	16.28	0.46	130.0	± 9.6 %
		Y	4.31	66.26	16.05		130.0	
		Z	4.30	66.63	16.21		130.0	
10584- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	х	4.45	66.80	16.37	0.46	130.0	± 9.6 %
		Y	4.34	66.48	16,14		130.0	-
		Z	4.33	66.87	16.32		130.0	
10585- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.61	67.03	16.52	0.46	130.0	± 9.6 %
9 112	111010100000000000000000000000000000000	Y	4.49	66.71	16.29		130.0	
		Z	4.48	67.07	16.45		130.0	
10586- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.51	67.18	16.63	0.46	130.0	± 9.6 %
	1	Y	4.40	66.85	16.40		130.0	
		Z	4.39	67.23	16.57		130.0	
10587- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.26	66.33	15.85	0.46	130.0	± 9.6 %
	4.4	Y	4.14	65.96	15.59		130.0	
		Z	4.13	66.29	15.75		130.0	
10588- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.29	66.37	15.87	0.46	130.0	± 9.6 %
		Y	4.17	66.01	15.60		130.0	
		Z	4.14	66.28	15.72		130.0	
10589- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.43	67.26	16.60	0.46	130.0	± 9.6 %
7712	mopo, oopo dati ojatoj	Y	4.31	66.92	16.36		130.0	
		Z	4.31	67.34	16.57		130.0	
10590-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54	X	4.19	66.09	15.63	0.46	130.0	±9.6 %
AAB	Mbps, 90pc duty cycle)	111550	0.00000	5005000	7050978051	V.40	0.00000	1 3.0 76
		Y	4.07	65.73	15.36		130.0	
		Z	4.05	66.04	15.51		130.0	

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10591- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.58	66.69	16.41	0.46	130.0	± 9.6 %
		Y	4.47	66.39	16.20		130.0	
		Z	4.47	66.76	16.36		130.0	
10592- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.69	66.97	16.53	0.46	130.0	± 9.6 %
	moon, sopo and of sion	Y	4.58	66.66	16.32		130.0	
		Z	4.56	67.00	16.47		130.0	
10593-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.61	66.84	16.38	0.46	130.0	± 9.6 %
AAB	MCS2, 90pc duty cycle)	7500	1100517	120250	1000000	0.40	FRANCE.	1 9.0 %
		Y	4.49	66.52	16.16		130.0	
		Z	4.48	66.87	16.32		130.0	
10594- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.66	67.02	16.56	0.46	130.0	± 9.6 %
	The state of the s	Y	4.55	66.71	16.34		130.0	
		Z	4.54	67.06	16.50		130.0	
10595- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.63	67.00	16.46	0.46	130.0	± 9.6 %
NATIONAL PROPERTY.		Y	4.51	66.68	16.25		130.0	
		Z	4.50	67.04	16.41	41	130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.56	66.95	16.45	0.46	130.0	± 9.6 %
AAB	MCS5, 90pc duty cycle)	72747	Means	10130330	135563611.	TREMESS:	23174362	10/70/560900
77920	STATE OF THE STATE	Y	4.44	66.62	16.22		130.0	
		Z	4.42	66.95	16.38		130.0	
10597- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	×	4.51	66.82	16.30	0.46	130.0	± 9.6 %
0.10	mood, dopo daty dyddy	Y	4.39	66.48	16.06		130.0	
		Z	4.38	66.82	16.22		130.0	
10598- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	×	4,51	67.06	16.58	0.46	130.0	± 9.6 %
70.0	moor, supe daty cycley	Y	4.39	66.73	16.35		130.0	
		Z	4.39	67.10	16.52		130.0	
10599- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	×	5.26	67,16	16.67	0.46	130.0	± 9.6 %
MAD	Wicoo, sope duty cycle)	Y	5.19	66.95	16.55		130.0	
		Z	5.18	67.23	16.69		130.0	
10600- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.35	67.49	16.81	0.46	130.0	± 9.6 %
MD	MCS1, Sope daty cycle)	Y	5.29	67.35	16.72		130.0	
		Z	5.23	67.44	16.76		130.0	
10601- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.26	67.29	16.73	0.46	130.0	± 9.6 %
MMD	MC32, Supe duty cycle)	Y	5.19	67.12	16.62		130.0	
			5.20	67.45	16.79		130.0	
10602-	IEEE 802.11n (HT Mixed, 40MHz,	Z X	5.35	67.45	16.64	0.46	130.0	± 9.6 %
AAB	MCS3, 90pc duty cycle)	Y	5,27	67.40	16.52		120.0	-
				67.10	16.53		130.0	
10000	IEEE 900 11a /UT March 40M/	Z	5.22	67.23	16.59	0.40	130.0	1000
10603- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.42	67.60	16.94	0.46	130.0	± 9.6 %
		Y	5,33	67,37	16.81		130.0	
		Z	5.26	67.44	16.84		130.0	
10604- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	×	5.29	67.20	16.71	0.46	130.0	± 9.6 %
~~~	ALTONO DE LA CONTROLE	Y	5.19	66.89	16.54		130.0	
		Z	5.14	67.01	16.59		130.0	
10605- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	×	5.34	67.34	16.78	0.46	130.0	± 9.6 %
		Y	5.26	67.13	16.66		130.0	
		Z	5.20	67.25	16.72		130.0	
			5.14	66.81	16.37	0.46	130.0	± 9.6 %
	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90nc duty cycle)	X	200	3000	DESCRIBE OF	- Construction	- Williams	X41000000
10606- AAB	MCS7, 90pc duty cycle)	Y	5.06	66.62	16.25	1000000	130.0	201202100

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10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	×	4.43	66.05	16.06	0.46	130.0	± 9.6 %
1.7		Y	4.31	65.70	15.83		130.0	
		Z	4.32	66.12	16.02		130.0	
10608- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.56	66.36	16.20	0.46	130.0	± 9.6 %
	- I - I - I - I - I - I - I - I - I - I	Y	4.44	66.01	15.97		130.0	
		Z	4.43	66.38	16.15		130.0	
10609- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	4.46	66.19	16.02	0.46	130.0	± 9.6 %
ride collection		Y	4.34	65.83	15.77		130.0	
		Z	4.33	66.21	15.96		130.0	
10610- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	×	4.51	66.37	16.19	0.46	130.0	± 9.6 %
		Y	4.39	66.01	15.96		130.0	
		Z	4.38	66.40	16.14		130.0	
10611- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	×	4.42	66.15	16.03	0.46	130.0	± 9.6 %
		Y	4.30	65.79	15.79		130.0	
		Z	4.29	66.16	15.97	40,000	130.0	- Inches
10612- AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.41	66.27	16.06	0.46	130.0	± 9.6 %
		Y	4.28	65.89	15.81		130.0	
	Control of the Contro	Z	4.26	66.23	15.98	harantifen.	130.0	
10613- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.40	66.08	15.90	0.46	130.0	± 9.6 %
		Y	4.28	65.70	15.65		130.0	
(C		Z	4.26	66.05	15.81	00000	130.0	
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.38	66.33	16.17	0.46	130.0	± 9.6 %
		Y	4.25	65.95	15.92		130.0	
	A WAR I STATE THE TAX TO THE WINDOWS AND A 1994 THE TAX	Z	4.25	66.33	16.10	A	130.0	
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4,41	65.98	15.79	0.46	130.0	± 9.6 %
		Y	4.29	65.61	15.54		130.0	
macues.	AND HERE THE PERSON AND DESIGNATIONS OF THE PERSON AND DESIGNA	Z	4.27	65.99	15.72		130.0	
10616- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	×	5.07	66.34	16.25	0.46	130.0	± 9.6 %
		Y	4.97	66.04	16.07		130.0	
		Z	4.96	66.31	16.21		130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	×	5.10	66.45	16.28	0.46	130.0	± 9.6 %
		Y	5.00	66.15	16.11		130.0	
		Z	4.98	66.39	16.23		130.0	- 18/8-90
10618- AAB	IEEE 802.11ac WiFI (40MHz, MCS2, 90pc duty cycle)	×	5.02	66.53	16.33	0.46	130.0	± 9.6 %
		Y	4.91	66.19	16.14		130.0	
		Z	4.89	66.45	16.27		130.0	- 000
10619- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	×	5.04	66.36	16.18	0.46	130.0	± 9.6 %
		Y	4.96	66.11	16.03		130.0	
	Haraman Marie and Haraman Resident	Z	4.94	66.38	16.17	1000	130.0	
10620- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	×	5.11	66.35	16.22	0.46	130.0	± 9.6 %
		Y	5.01	66.06	16.05		130.0	
		Z	4.98	66.26	16.16		130.0	
10621- AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	×	5.12	66.47	16.41	0.46	130.0	±9.6 %
		Y	5.02	66,16	16.23		130.0	
		Z	5.00	66.43	16.37		130.0	No. II
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	×	5.10	66.55	16.44	0.46	130.0	±9.6 %
	* * * * * * * * * * * * * * * * * * *	Y	5.00	66.25	16.27		130.0	
		Z		66.50				

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10623- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	Х	5.00	66.11	16.08	0.46	130.0	± 9.6 %
		Y	4.90	65.81	15.90		130.0	
		Z	4.89	66.10	16.05		130.0	1 50
10624- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.19	66.37	16.28	0.46	130.0	± 9.6 %
		Y	5.10	66.09	16.12		130.0	
		2	5.07	66.34	16.24		130.0	
10625-	IEEE 802.11ac WiFi (40MHz, MCS9,	X	5.27	66.50	16.40	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)	Y	5.19	66.27	16.28	3,30	130.0	20.0.0
		Z	5.16	66.52	16.40		130.0	
10626- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.40	66.37	16.20	0.46	130.0	± 9.6 %
7410	Sope daty cycle)	Y	5.31	66.07	16,04		130.0	
		Z	5.31	66.31	16.17		130.0	
10627-	IEEE 802.11ac WiFi (80MHz, MCS1,	X	5.62	66.96	16.47	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)	Y	7003850	DESERVER III	(1000011A)	0.40	377755	£ 9.0 %
			5.56	66.76	16.37		130.0	
10000	IEEE 000 44 MIEI 1004 H III 14000	Z	5.52	66.91	16.44	0.40	130.0	1500
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	×	5.39	66.34	16.09	0.46	130.0	± 9.6 %
		Y	5.30	66.04	15.92		130.0	
		Z	5.29	66.26	16.04		130.0	
10629- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	×	5.50	66.54	16.19	0.46	130.0	± 9.6 %
		Y	5,44	66.36	16.08		130.0	
		Z	5.44	66.63	16.23		130.0	
10630- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	×	5.71	67.39	16.62	0.46	130.0	± 9.6 %
7.5		Y	5.64	67.17	16.50		130.0	
		Z	5.54	67.11	16.48		130.0	
10631- AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	×	5.70	67.46	16.84	0.46	130.0	± 9.6 %
	Contract to the state of the st	Y	5.61	67.18	16.70		130.0	
		Z	5.56	67.29	16.76		130.0	
10632- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	×	5.63	67.17	16.72	0.46	130.0	± 9.6 %
10-11	Total Section 1	Y	5.58	67.02	16.64		130.0	
	CLEU LA	Z	5.57	67.27	16.77		130.0	
10633- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	×	5.42	66.43	16.17	0.46	130.0	± 9.6 %
		Y	5.32	66.10	15.99		130.0	
		Z	5.30	66.32	16.11		130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.45	66.63	16.32	0.46	130.0	± 9.6 %
HILLS.		Y	5.35	66.31	16.16		130.0	
		Z	5.35	66.57	16.29		130.0	
10635- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.30	65.85	15.65	0.46	130.0	± 9.6 %
-		Y	5.21	65.54	15.48		130.0	
		Ż	5.19	65.76	15.60		130.0	
10636- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	×	5.84	66.72	16.29	0.46	130.0	± 9.6 %
70200E		Y	5.76	66.45	16.15		130.0	
		Z	5.76	66.66	16.26		130.0	
10637- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	×	5.95	67.01	16.43	0.46	130.0	± 9.6 %
		Y	5.88	66.76	16.30		130.0	
		Z	5.85	66.89	16.37		130.0	
10638-	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	5.98	67.09	16.44	0.46	130.0	± 9.6 %
AAC								
AAC	sope daty cycle)	Y	5.91	66.84	16.31		130.0	

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10639-	IEEE 802.11ac WiFI (160MHz, MCS3,	X	5.93	66.96	16.42	0.46	130.0	± 9.6 %
AAC	90pc duty cycle)	1					100.0	20.070
		Y	5.85	66.68	16.27		130.0	
10010	IEEE 000 44 - 11/15 (40014) - 1400	Z	5.84	66.87	16.37		130.0	
10640- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.89	66.83	16.30	0.46	130.0	± 9.6 %
		Y	5.79	66.50	16.13		130.0	
10011		Z	5.76	66.65	16.20		130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.99	66.93	16.36	0.46	130.0	± 9.6 %
		Y	5.93	66.70	16.25		130.0	
10010	1555 000 44 1455 7150 E	Z	5.89	66.83	16.32		130.0	
10642- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.01	67.13	16.63	0.46	130.0	± 9.6 %
		Y	5.93	66.84	16.49		130.0	
10643-	UFFF 000 44 - 140FF (4004 H) 440 FF	Z	5.91	67.00	16.57		130.0	-
AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.86	66.81	16.36	0.46	130.0	± 9.6 %
		Y	5.78	66.52	16.22		130.0	
10011	IEEE OOG 11 110E	Z	5.75	66.66	16.29		130.0	
10644- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.91	66.99	16,47	0.46	130.0	± 9.6 %
		Y	5.82	66.67	16.31		130.0	
1001-		Z	5.80	66.82	16.38		130.0	
10645- AAC	IEEE 802.11ac WIFI (160MHz, MCS9, 90pc duty cycle)	X	6.04	67.04	16.47	0.46	130.0	± 9.6 %
		Y	5.97	66.82	16.36		130.0	
		Z	5.92	66.90	16.40		130.0	
10646- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	5.85	87.94	30.48	9.30	60.0	± 9.6 %
		Y	5.37	85.81	29.63		60.0	
		Z	4,49	83.14	29.09		60.0	
10647- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	5.17	85.51	29.66	9.30	60.0	± 9.6 %
		Y	4.78	83.60	28.89		60.0	
		Z	4.02	80.87	28.26		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.51	61.76	8.43	0.00	150.0	±9.6 %
		Y	0.38	60.00	6.13		150.0	
		Z	0.38	60.10	6.48		150.0	
10652- AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.13	65.98	15.78	2.23	80.0	±9.6 %
	1 - 30/A - 7/2 31 <del>4</del>	Y	2.93	65.12	15.15		80.0	
		Z	3.02	66.07	15.57		80.0	
10653- AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.69	65.40	16.13	2.23	80.0	± 9.6 %
	- 22(19)1-3(1) - 39(1)	Y	3.54	64.83	15.74		80.0	
		Z	3.60	65.47	16.04		80.0	
10654- AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.72	65.03	16.17	2.23	80.0	± 9.6 %
INCOM.	TO THE STATE OF TH	Y	3.58	64.50	15.83		80.0	
		Z	3.65	65.07	16.11		80.0	
10655- AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.80	64.95	16.21	2.23	80.0	± 9.6 %
tree from the	1 m x 1 m m x 1 200 m 2 m 1 m 1 m / 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m	Y	3.67	64.43	15.88		80.0	
		Z	3.74	64.95	16.16	124	80.0	
10658- AAA	Pulse Waveform (200Hz, 10%)	×	4.43	71.88	12.89	10.00	50.0	± 9.6 %
THE TRANSPORT		Y	2.96	67.08	10.79		50.0	
		Z	4.92	73.02	13.29		50.0	
10659- AAA	Pulse Waveform (200Hz, 20%)	×	21.85	87.99	16.66	6.99	60.0	± 9.6 %
A-14-14EF7		Y	1.49	64.48	8.54		60.0	

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#### EX3DV4-SN:7494

February 26, 2018

10660- AAA	Pulse Waveform (200Hz, 40%)	×	100.00	100.24	18.17	3.98	80.0	± 9.6 %
		Y	0.44	60.00	5.03		80.0	
	ALLOW THE THE PROPERTY OF THE PARTY OF THE P	Z	100.00	101.16	18.48		80.0	CONTRACTOR
10661- AAA	Pulse Waveform (200Hz, 60%)	X	100.00	101.13	17.57	2.22	100.0	± 9.6 %
		Y	0.24	60.00	3.65		100.0	
V=2.50.7.4		Z	100.00	102.26	17.94		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	X	100.00	99.08	15.66	0.97	120.0	± 9.6 %
		Y	3.24	108.92	7.51		120.0	
		Z	100.00	98.42	15.34		120.0	

E Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

### 1.1. D2450V2 Dipole Calibration Certificate

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

CALIBRATION	CERTIFICAT	ГЕ	te No: D2450V2-1009_Feb1
Object	D2450V2 - SN	1009	STATE STATE OF
Calibration procedure(s)	QA CAL-05.v9 Calibration prod	cedure for dipole validation kits	above 700 MHz
Calibration date:	February 05, 20	018	
	ucted in the closed laborate	ational standards, which realize the physical probability are given on the following pages ory facility: environment temperature (22 ± 2	and are part of the certificate.
	10#	Cal Date (Contract on the	
Primary Standards Power meter NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	ID # SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	Cal Date (Certificate No.)  04-Apr-17 (No. 217-02521/02522)  04-Apr-17 (No. 217-02521)  04-Apr-17 (No. 217-02522)  07-Apr-17 (No. 217-02528)  07-Apr-17 (No. 217-02529)  30-Dec-17 (No. EX3-7349_Dec17)  26-Oct-17 (No. DAE4-601_Oct17)	Scheduled Calibration  Apr-18  Apr-18  Apr-18  Apr-18  Oec-18
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349	04-Apr-17 (No. 217-02521/02522) 04-Apr-17 (No. 217-02521) 04-Apr-17 (No. 217-02522) 07-Apr-17 (No. 217-02528) 07-Apr-17 (No. 217-02528) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17)	Apr-18 Apr-18 Apr-18 Apr-18 Apr-18 Dec-18 Oct-18
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601	04-Apr-17 (No. 217-02521/02522) 04-Apr-17 (No. 217-02521) 04-Apr-17 (No. 217-02522) 07-Apr-17 (No. 217-02528) 07-Apr-17 (No. 217-02529) 30-Dec-17 (No. EX3-7349_Dec17)	Apr-18 Apr-18 Apr-18 Apr-18 Apr-18 Oec-18
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Tower meter EPM-442A Tower sensor HP 8481A Tower sensor HP 8481A Type-Name Sensor HP 8481A Type-Nam	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37490704 SN: US37292783 SN: MY41092317 SN: 100972 SN: US37390585	04-Apr-17 (No. 217-02521/02522) 04-Apr-17 (No. 217-02521) 04-Apr-17 (No. 217-02522) 07-Apr-17 (No. 217-02528) 07-Apr-17 (No. 217-02528) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 15-Jun-15 (in house check Oct-16)	Apr-18 Apr-18 Apr-18 Apr-18 Apr-18 Dec-18 Oct-18 Oct-18 Scheduled Check In house check: Oct-18
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Reconda	SN: 104778 SN: 103244 SN: 103245 SN: 5058 (20k) SN: 5047.2 / 06327 SN: 7349 SN: 601 ID # SN: GB37490704 SN: US37292783 SN: MY41092317 SN: 100972 SN: US37390585	04-Apr-17 (No. 217-02521/02522) 04-Apr-17 (No. 217-02521) 04-Apr-17 (No. 217-02522) 07-Apr-17 (No. 217-02528) 07-Apr-17 (No. 217-02528) 30-Dec-17 (No. 217-02529) 30-Dec-17 (No. EX3-7349_Dec17) 26-Oct-17 (No. DAE4-601_Oct17) Check Date (in house) 07-Oct-15 (in house check Oct-16) 07-Oct-15 (in house check Oct-16) 15-Jun-15 (in house check Oct-16) 18-Oct-01 (in house check Oct-17)	Apr-18 Apr-18 Apr-18 Apr-18 Apr-18 Dec-18 Oct-18 Oct-18 Scheduled Check In house check: Oct-18 In house check: Oct-18 In house check: Oct-18 In house check: Oct-18

Certificate No: D2450V2-1009_Feb18

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#### Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst

Service suisse d'étalonnage

Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

#### Glossary:

TSL

tissue simulating liquid

ConvF N/A

sensitivity in TSL / NORM x,y,z not applicable or not measured

# Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of

300 MHz to 6 GHz)", July 2016

c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### Additional Documentation:

e) DASY4/5 System Handbook

### Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Certificate No: D2450V2-1009_Feb18

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### **Measurement Conditions**

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	
Extrapolation	Advanced Extrapolation	V52.10.0
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with Co.
Zoom Scan Resolution	dx, dy, dz = 5 mm	with Spacer
Frequency	2450 MHz ± 1 MHz	

### **Head TSL parameters**

The following parameters and calculations were applied.

205000000000000000000000000000000000000	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.2	1.80 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.9 ± 6 %	1.87 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		1.07 million ± 6 %

### SAR result with Head TSL

SAR averaged over 1 cm3 (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	13.2 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	51.5 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm3 (10 g) of Head TSL	condition	
SAR measured	250 mW input power	6.13 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.1 W/kg ± 16.5 % (k=2)

### **Body TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	52.7	1.95 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.4 ± 6 %	2.04 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		2.04 HHO/III ± 6 %

### SAR result with Body TSL

SAR averaged over 1 cm3 (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	12.7 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	49.4 W/kg ± 17.0 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	5.92 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	23.3 W/kg ± 16.5 % (k=2)
	77-0-10-10-114	25.5 W/Kg ± 16.5 % (K=2)

# Appendix (Additional assessments outside the scope of SCS 0108)

### Antenna Parameters with Head TSL

Impedance, transformed to feed point	
Return Loss	53.8 Ω + 2.2 jΩ
	- 27.4 dB

### Antenna Parameters with Body TSL

Impedance, transformed to feed point	
Return Loss	49.9 Ω + 4.6 jΩ
	- 26.7 dB

### General Antenna Parameters and Design

Transfer of the second	
Electrical Delay (one direction)	
Crie direction)	1.152 ns

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the according to the Standard.

No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

#### Additional EUT Data

Manufactured by		
	SPEAG	
Manufactured on		
A CONTRACTOR OF THE PARTY	October 17, 2017	

# DASY5 Validation Report for Head TSL

Date: 05.02.2018

Test Laboratory: SPEAG, Zurich, Switzerland

# DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:1009

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz;  $\sigma = 1.87$  S/m;  $\epsilon_r = 37.9$ ;  $\rho = 1000$  kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

### DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(7.88, 7.88, 7.88); Calibrated: 30.12.2017;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 26.10.2017

Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001

DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

# Dipole Calibration for Head Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

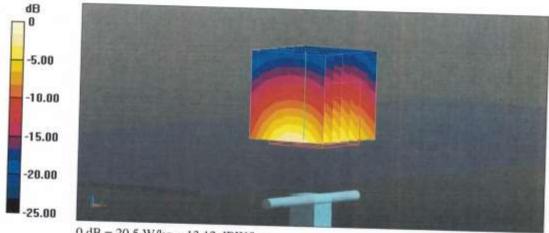
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 111.8 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 26.6 W/kg

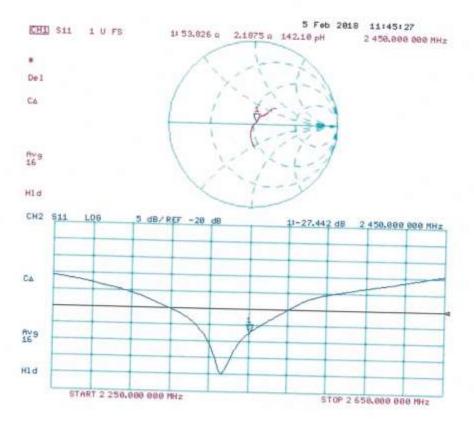
SAR(1 g) = 13.2 W/kg; SAR(10 g) = 6.13 W/kg

Maximum value of SAR (measured) = 20.5 W/kg



0 dB = 20.5 W/kg = 13.12 dBW/kg

### Impedance Measurement Plot for Head TSL



### DASY5 Validation Report for Body TSL

Date: 05.02.2018

Test Laboratory: SPEAG, Zurich, Switzerland

# DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:1009

Communication System: UID 0 - CW; Frequency: 2450 MHz

Medium parameters used: f = 2450 MHz;  $\sigma$  = 2.04 S/m;  $\epsilon_r$  = 51.4;  $\rho$  = 1000 kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

#### DASY52 Configuration:

Probe: EX3DV4 - SN7349; ConvF(8.01, 8.01, 8.01); Calibrated: 30.12.2017;

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn601; Calibrated: 26.10.2017

Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002

DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

# Dipole Calibration for Body Tissue/Pin=250 mW, d=10mm/Zoom Scan (7x7x7)/Cube 0:

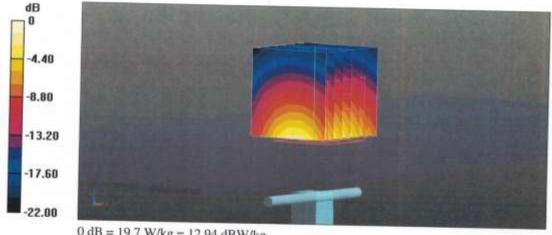
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 104.2 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 25.5 W/kg

SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.92 W/kg

Maximum value of SAR (measured) = 19.7 W/kg



0 dB = 19.7 W/kg = 12.94 dBW/kg

### Impedance Measurement Plot for Body TSL

